

Publications de l'équipe 12

1. **Motterlini R** and Foresti R. Biological signaling of carbon monoxide and carbon monoxide-releasing molecules (CO-RMs). *Am. J. Physiol. Cell Physiol.* In press, 2017.
2. Wilson JL, Bouillaud F, Almeida AS, Vieira HL, Ouidja MO, Dubois-Randé JL, Foresti R **Motterlini R**. Carbon monoxide reverses the metabolic adaptation of microglia cells to an inflammatory stimulus. *Free Rad. Biol. Med.* In press, 2017.
3. Kaczara P, **Motterlini R**, Kuś K, Zakrzewska A, Abramov AY, Chłopicki S. Carbon monoxide shifts energetic metabolism from glycolysis to oxidative phosphorylation in endothelial cells. *FEBS Lett.* 590:3469-3480, 2016.
4. Otterbein LE, Foresti R. and **Motterlini R**. Heme oxygenase-1 and carbon monoxide in the heart: the balancing act between dangerous signals and pro-survival. *Circ. Res.*, 118:1940-1959, 2016.
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6. Fayad-Kobeissi S, Ratovonantenaina J, Dabiré H, Wilson JL, Rodriguez AM, Berdeaux A, Dubois-Randé JL, Mann BE, **Motterlini R** and Foresti R. Vascular and angiogenic activities of CORM-401, an oxidant-sensitive CO-releasing molecule. *Biochem. Pharmacol.* 102:64-77, 2016.
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9. Kaczara P, **Motterlini R**, Rosen GM, Augustynek B, Bednarczyk P, Szewczyk A, **Foresti R**, Chłopicki S. Carbon monoxide released by CORM-401 uncouples mitochondrial respiration and inhibits glycolysis in endothelial cells: a role for mitoBK_{Ca} channels. *Biochim. Biophys. Acta* 1847:1297-1309, 2015.
10. Haas B, Fayad Kobeissi S, Chrusciel S, Dubois-Randé JL, Boczkowski J, **Motterlini R** and **Foresti R**. Permanent culture of macrophages at physiological oxygen attenuates the antioxidant and immunomodulatory properties of dimethyl fumarate. *J. Cell. Physiol.* 230:1128-1138, 2015.
11. Wilson JL, Fayad Kobeissi S, Oudir S, Haas B, Michel BW, Dubois-Randé JL, Ollivier A, Martens T, Rivard M, **Motterlini R** and **Foresti R**. Design and synthesis of novel hybrid molecules that activate the transcription factor Nrf2 and simultaneously release carbon monoxide. *Chemistry* 20:14698-14704, 2014.

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